

Exhibit C**West Nile virus strain NY99-flamingo 382-99 (GenBank Accession Number AF196835)**

Met	Ser	Lys	Lys	Pro	Gly	Gly	Pro	Gly	Lys	Ser	Arg	Ala	Val	Asn	Met
1				5					10					15	
Leu	Lys	Arg	Gly	Met	Pro	Arg	Val	Leu	Ser	Leu	Ile	Gly	Leu	Lys	Arg
			20					25					30		
Ala	Met	Leu	Ser	Leu	Ile	Asp	Gly	Lys	Gly	Pro	Ile	Arg	Phe	Val	Leu
		35					40					45			
Ala	Leu	Leu	Ala	Phe	Phe	Arg	Phe	Thr	Ala	Ile	Ala	Pro	Thr	Arg	Ala
	50					55					60				
Val	Leu	Asp	Arg	Trp	Arg	Gly	Val	Asn	Lys	Gln	Thr	Ala	Met	Lys	His
65					70					75				80	
Leu	Leu	Ser	Phe	Lys	Lys	Glu	Leu	Gly	Thr	Leu	Thr	Ser	Ala	Ile	Asn
				85					90					95	
Arg	Arg	Ser	Ser	Lys	Gln	Lys	Lys	Arg	Gly	Gly	Lys	Thr	Gly	Ile	Ala
			100					105					110		
Val	Met	Ile	Gly	Leu	Ile	Ala	Ser	Val	Gly	Ala	Val	Thr	Leu	Ser	Asn
	115						120					125			
Phe	Gln	Gly	Lys	Val	Met	Met	Thr	Val	Asn	Ala	Thr	Asp	Val	Thr	Asp
	130					135					140				
Val	Ile	Thr	Ile	Pro	Thr	Ala	Ala	Gly	Lys	Asn	Leu	Cys	Ile	Val	Arg
145					150					155					160
Ala	Met	Asp	Val	Gly	Tyr	Met	Cys	Asp	Asp	Thr	Ile	Thr	Tyr	Glu	Cys
				165				170						175	
Pro	Val	Leu	Ser	Ala	Gly	Asn	Asp	Pro	Glu	Asp	Ile	Asp	Cys	Trp	Cys
			180					185					190		
Thr	Lys	Ser	Ala	Val	Tyr	Val	Arg	Tyr	Gly	Arg	Cys	Thr	Lys	Thr	Arg
	195						200					205			
His	Ser	Arg	Arg	Ser	Arg	Arg	Ser	Leu	Thr	Val	Gln	Thr	His	Gly	Glu
	210					215					220				
Ser	Thr	Leu	Ala	Asn	Lys	Lys	Gly	Ala	Trp	Met	Asp	Ser	Thr	Lys	Ala
225					230					235					240
Thr	Arg	Tyr	Leu	Val	Lys	Thr	Glu	Ser	Trp	Ile	Leu	Arg	Asn	Pro	Gly
				245					250					255	
Tyr	Ala	Leu	Val	Ala	Ala	Val	Ile	Gly	Trp	Met	Leu	Gly	Ser	Asn	Thr
			260					265					270		
Met	Gln	Arg	Val	Val	Phe	Val	Val	Leu	Leu	Leu	Leu	Val	Ala	Pro	Ala
	275						280						285		
Tyr	Ser	Phe	Asn	Cys	Leu	Gly	Met	Ser	Asn	Arg	Asp	Phe	Leu	Glu	Gly
	290					295					300				
Val	Ser	Gly	Ala	Thr	Trp	Val	Asp	Leu	Val	Leu	Glu	Gly	Asp	Ser	Cys
305					310					315					320
Val	Thr	Ile	Met	Ser	Lys	Asp	Lys	Pro	Thr	Ile	Asp	Val	Lys	Met	Met
				325					330					335	
Asn	Met	Glu	Ala	Ala	Asn	Leu	Ala	Glu	Val	Arg	Ser	Tyr	Cys	Tyr	Leu
			340					345					350		
Ala	Thr	Val	Ser	Asp	Leu	Ser	Thr	Lys	Ala	Ala	Cys	Pro	Thr	Met	Gly
	355						360					365			
Glu	Ala	His	Asn	Asp	Lys	Arg	Ala	Asp	Pro	Ala	Phe	Val	Cys	Arg	Gln
	370					375					380				
Gly	Val	Val	Asp	Arg	Gly	Trp	Gly	Asn	Gly	Cys	Gly	LEU	Phe	Gly	Lys
385					390					395					400
Gly	Ser	Ile	Asp	Thr	Cys	Ala	Lys	Phe	Ala	Cys	Ser	Thr	Lys	Ala	Ile
				405					410					415	

Gly	Arg	Thr	Ile	Leu	Lys	Glu	Asn	Ile	Lys	Tyr	Glu	Val	Ala	Ile	Phe	
			420					425					430			
Val	His	Gly	Pro	Thr	Thr	Val	Glu	Ser	His	Gly	Asn	Tyr	Ser	Thr	Gln	
		435					440					445				
Val	Gly	Ala	Thr	Gln	Ala	Gly	Arg	Phe	Ser	Ile	Thr	Pro	Ala	Ala	Pro	
	450					455					460					
Ser	Tyr	Thr	Leu	Lys	Leu	Gly	Glu	Tyr	Gly	Glu	Val	Thr	Val	Asp	Cys	
465				470						475					480	
Glu	Pro	Arg	Ser	Gly	Ile	Asp	Thr	Asn	Ala	Tyr	Tyr	Val	Met	Thr	Val	
			485						490					495		
Gly	Thr	Lys	Thr	Phe	Leu	Val	His	Arg	Glu	Trp	Phe	Met	Asp	Leu	Asn	
		500						505					510			
Leu	Pro	Trp	Ser	Ser	Ala	Gly	Ser	Thr	Val	Trp	Arg	Asn	Arg	Glu	Thr	
	515						520					525				
Leu	Met	Glu	Phe	Glu	Glu	Pro	His	Ala	Thr	Lys	Gln	Ser	Val	Ile	Ala	
	530					535					540					
Leu	Gly	Ser	Gln	Glu	Gly	Ala	Leu	His	Gln	Ala	Leu	Ala	Gly	Ala	Ile	
545					550					555					560	
Pro	Val	Glu	Phe	Ser	Ser	Asn	Thr	Val	Lys	Leu	Thr	Ser	Gly	His	Leu	
			565						570					575		
Lys	Cys	Arg	Val	Lys	Met	Glu	Lys	Leu	Gln	Leu	Lys	Gly	Thr	Thr	Tyr	
		580						585								
Gly	Val	Cys	Ser	Lys	Ala	Phe	Lys	Phe	Leu	Gly	Thr	Pro	ALA	Asp	Thr	
	595						600					605				
Gly	His	Gly	Thr	Val	Val	Leu	Glu	Leu	Gln	Tyr	Thr	Gly	Thr	Asp	Gly	
	610					615					620					
Pro	Cys	Lys	Val	Pro	Ile	Ser	Ser	Val	Ala	Ser	Leu	Asn	Asp	Leu	Thr	
625					630					635					640	
Pro	Val	Gly	Arg	Leu	Val	Thr	Val	Asn	Pro	Phe	Val	Ser	Val	Ala	Thr	
			645						650					655		
Ala	Asn	Ala	Lys	Val	Leu	Ile	Glu	Leu	Glu	Pro	Pro	Phe	Gly	Asp	Ser	
		660						665					670			
Tyr	Ile	Val	Val	Gly	Arg	Gly	Glu	Gln	Gln	Ile	Asn	His	His	Trp	His	
	675						680					685				
Lys	Ser	Gly	Ser	Ser	Ile	Gly	Lys	Ala	Phe	Thr	Thr	Thr	Leu	Lys	Gly	
	690					695					700					
Ala	Gln	Arg	Leu	Ala	Ala	Leu	Gly	Asp	Thr	Ala	Trp	Asp	Phe	Gly	Ser	
705					710					715					720	
Val	Gly	Gly	Val	Phe	Thr	Ser	Val	Gly	LYS	Ala	Val	His	Gln	Val	Phe	
			725						730					735		
Gly	Gly	Ala	Phe	Arg	Ser	Leu	Phe	Gly	Gly	Met	Ser	Trp	Ile	Thr	Gln	
		740						745					750			
Gly	Leu	Leu	Gly	Ala	Leu	Leu	Leu	Trp	Met	Gly	Ile	Asn	Ala	Arg	Asp	
	755					760						765				
Arg	Ser	Ile	Ala	Leu	Thr	Phe	Leu	Ala	Val	Gly	Gly	Val	Leu	Leu	Phe	
	770					775					780					
Leu	Ser	Val	Asn	Val	His	Ala	Asp	Thr	Gly	Cys	Ala	Ile	Asp	Ile	Ser	
785				790						795					800	
Arg	Gln	Glu	Leu	Arg	Cys	Gly	Ser	Gly	Val	Phe	Ile	His	Asn	Asp	Val	
			805						810					815		
Glu	Ala	Trp	Met	Asp	Arg	Tyr	Lys	Tyr	Pro	Glu	Thr	Pro	Gln	Gly		
		820						825					830			
Leu	Ala	Lys	Ile	Ile	Gln	Lys	Ala	His	Lys	Glu	Gly	Val	Cys	Gly	Leu	
	835						840					845				
Arg	Ser	Val	Ser	Arg	Leu	Glu	His	Gln	Met	Trp	Glu	Ala	Val	Lys	Asp	
	850					855					860					
Glu	Leu	Asn	Thr	Leu	Leu	Lys	Glu	Asn	Gly	Val	Asp	Leu	Ser	Val	Val	

865		870		875		880
Val Glu Lys Gln Glu Gly Met Tyr Lys Ser Ala Pro Lys Arg Leu Thr						
	885		890		895	
Ala Thr Thr Glu Lys Leu Glu Ile Gly Trp Lys Ala Trp Gly Lys Ser						
	900		905		910	
Ile Leu Phe Ala Pro Glu Leu Ala Asn Asn Thr Phe Val Val Asp Gly						
	915		920		925	
Pro Glu Thr Lys Glu Cys Pro Thr Gln Asn Arg Ala Trp Asn Ser Leu						
	930		935		940	
Glu Val Glu Asp Phe Gly Phe Gly Leu Thr Ser Thr Arg Met Phe Leu						
945	950		955		960	
Lys Val Arg Glu Ser Asn Thr Thr Glu Cys Asp Ser Lys Ile Ile Gly						
	965		970		975	
Thr Ala Val Lys Asn Asn Leu Ala Ile His Ser Asp Leu Ser Tyr Trp						
	980		985		990	
Ile Glu Ser Arg Leu Asn Asp Thr Trp Lys Leu Glu Arg Ala Val Leu						
	995		1000		1005	
Gly Glu Val Lys Ser Cys Thr Trp Pro Glu Thr His Thr Leu Trp Gly						
	1010		1015		1020	
Asp Gly Ile Leu Glu Ser Asp Leu Ile Ile Pro Val Thr Leu Ala Gly						
1025	1030		1035		1040	
Pro Arg Ser Asn His Asn Arg Arg Pro Gly Tyr Lys Thr Gln Asn Gln						
	1045		1050		1055	
Gly Pro Trp Asp Glu Gly Arg Val Glu Ile Asp Phe Asp Tyr Cys Pro						
	1060		1065		1070	
Gly Thr Thr Val Thr Leu Ser Glu Ser Cys Gly His Arg Gly Pro Ala						
	1075		1080		1085	
Thr Arg Thr Thr Thr Glu Ser Gly Lys Leu Ile Thr Asp Trp Cys Cys						
	1090		1095		1100	
Arg Ser Cys Thr Leu Pro Pro Leu Arg Tyr Gln Thr Asp Ser Gly Cys						
1105	1110		1115		1120	
Trp Tyr Gly Met Glu Ile Arg Pro Gln Arg His Asp Glu Lys Thr Leu						
	1125		1130		1135	
Val Gln Ser Gln Val Asn Ala Tyr Asn Ala Asp Met Ile Asp Pro Phe						
	1140		1145		1150	
Gln Leu Gly Leu Leu Val Val Phe Leu Ala Thr Gln Glu Val Leu Arg						
	1155		1160		1165	
Lys Arg Trp Thr Ala Lys Ile Ser Met Pro Ala Ile Leu Ile Ala Leu						
	1170		1175		1180	
Leu Val Leu Val Phe Gly Gly Ile Thr Tyr Thr Asp Val Leu Arg Tyr						
1185	1190		1195		1200	
Val Ile Leu Val Gly Ala Ala Phe Ala Glu Ser Asn Ser Gly Gly Asp						
	1205		1210		1215	
Val Val His Leu Ala Leu Met Ala Thr Phe Lys Ile Gln Pro Val Phe						
	1220		1225		1230	
Met Val Ala Ser Phe Leu Lys Ala Arg Trp Thr Asn Gln Glu Asn Ile						
	1235		1240		1245	
Leu Leu Met Leu Ala Ala Val Phe Phe Gln Met Ala Tyr His Asp Ala						
	1250		1255		1260	
Arg Gln Ile Leu Leu Trp Glu Ile Pro Asp Val Leu Asn Ser Leu Ala						
1265	1270		1275		1280	
Val Ala Trp Met Ile Leu Arg Ala Ile Thr Phe Thr Thr Thr Ser Asn						
	1285		1290		1295	
Val Val Val Pro Leu Leu Ala Leu Leu Thr Pro Gly Leu Arg Cys Leu						
	1300		1305		1310	
Asn Leu Asp Val Tyr Arg Ile Leu Leu Leu Met Val Gly Ile Gly Ser						
	1315		1320		1325	

Leu Ile Arg Glu Lys Arg Ser Ala Ala Ala Lys Lys Lys Gly Ala Ser
 1330 1335 1340
 Leu Leu Cys Leu Ala Leu Ala Ser Thr Gly Leu Phe Asn Pro Met Ile
 1345 1350 1355 1360
 Leu Ala Ala Gly Leu Ile Ala Cys Asp Pro Asn Arg Lys Arg Gly Trp
 1365 1370 1375
 Pro Ala Thr Glu Val Met Thr Ala Val Gly Leu Met Phe Ala Ile Val
 1380 1385 1390
 Gly Gly Leu Ala Glu Leu Asp Ile Asp Ser Met Ala Ile Pro Met Thr
 1395 1400 1405
 Ile Ala Gly Leu Met Phe Ala Ala Phe Val Ile Ser Gly Lys Ser Thr
 1410 1415 1420
 Asp Met Trp Ile Glu Arg Thr Ala Asp Ile Ser Trp Glu Ser Asp Ala
 1425 1430 1435 1440
 Glu Ile Thr Gly Ser Ser Glu Arg Val Asp Val Arg Leu Asp Asp Asp
 1445 1450 1455
 Gly Asn Phe Gln Leu Met Asn Asp Pro Gly Ala Pro Trp Lys Ile Trp
 1460 1465 1470
 Met Leu Arg Met Val Cys Leu Ala Ile Ser Ala Tyr Thr Pro Trp Ala
 1475 1480 1485
 Ile Leu Pro Ser Val Val Gly Phe Trp Ile Thr Leu Gln Tyr Thr Lys
 1490 1495 1500
 Arg Gly Gly Val Leu Trp Asp Thr Pro Ser Pro Lys Glu Tyr Lys Lys
 1505 1510 1515 1520
 Gly Asp Thr Thr Thr Gly Val Tyr Arg Ile Met Thr Arg Gly Leu Leu
 1525 1530 1535
 Gly Ser Tyr Gln Ala Gly Ala Gly Val Met Val Glu Gly Val Phe His
 1540 1545 1550
 Thr Leu Trp His Thr Thr Lys Gly Ala Ala Leu Met Ser Gly Glu Gly
 1555 1560 1565
 Arg Leu Asp Pro Tyr Trp Gly Ser Val Lys Glu Asp Arg Leu Cys Tyr
 1570 1575 1580
 Gly Gly Pro Trp Lys Leu Gln His Lys Trp Asn Gly Gln Asp Glu Val
 1585 1590 1595 1600
 Gln Met Ile Val Val Glu Pro Gly Lys Asn Val Lys Asn Val Gln Thr
 1605 1610 1615
 Lys Pro Gly Val Phe Lys Thr Pro Glu Gly Glu Ile Gly Ala Val Thr
 1620 1625 1630
 Leu Asp Phe Pro Thr Gly Thr Ser Gly Ser Pro Ile Val Asp Lys Asn
 1635 1640 1645
 Gly Asp Val Ile Gly Leu Tyr Gly Asn Gly Val Ile Met Pro Asn Gly
 1650 1655 1660
 Ser Tyr Ile Ser Ala Ile Val Gln Gly Glu Arg Met Asp Glu Pro Ile
 1665 1670 1675 1680
 Pro Ala Gly Phe Glu Pro Glu Met Leu Arg Lys Lys Gln Ile Thr Val
 1685 1690 1695
 Leu Asp Leu His Pro Gly Ala Gly Lys Thr Arg Arg Ile Leu Pro Gln
 1700 1705 1710
 Ile Ile Lys Glu Ala Ile Asn Arg Arg Leu Arg Thr Ala Val Leu Ala
 1715 1720 1725
 Pro Thr Arg Val Val Ala Ala Glu Met Ala Glu Ala Leu Arg Gly Leu
 1730 1735 1740
 Pro Ile Arg Tyr Gln Thr Ser Ala Val Pro Arg Glu His Asn Gly Asn
 1745 1750 1755 1760
 Glu Ile Val Asp Val Met Cys His Ala Thr Leu Thr His Arg Leu Met
 1765 1770 1775
 Ser Pro His Arg Val Pro Asn Tyr Asn Leu Phe Val Met Asp Glu Ala

Val Leu Ile Pro Glu Pro Glu Lys Gln Arg Ser Gln Thr Asp Asn Gln
2245 2250 2255
Leu Ala Val Phe Leu Ile Cys Val Met Thr Leu Val Ser Ala Val Ala
2260 2265 2270
Ala Asn Glu Met Gly Trp Leu Asp Lys Thr Lys Ser Asp Ile Ser Ser
2275 2280 2285
Leu Phe Gly Gln Arg Ile Glu Val Lys Glu Asn Phe Ser Met Gly Glu
2290 2295 2300
Phe Leu Leu Asp Leu Arg Pro Ala Thr Ala Trp Ser Leu Tyr Ala Val
2305 2310 2315 2320
Thr Thr Ala Val Leu Thr Pro Leu Leu Lys His Leu Ile Thr Ser Asp
2325 2330 2335
Tyr Ile Asn Thr Ser Leu Thr Ser Ile Asn Val Gln Ala Ser Ala Leu
2340 2345 2350
Phe Thr Leu Ala Arg Gly Phe Pro Phe Val Asp Val Gly Val Ser Ala
2355 2360 2365
Leu Leu Leu Ala Ala Gly Cys Trp Gly Gln Val Thr Leu Thr Val Thr
2370 2375 2380
Val Thr Ala Ala Thr Leu Leu Phe Cys His Tyr Ala Tyr Met Val Pro
2385 2390 2395 2400
Gly Trp Gln Ala Glu Ala Met Arg Ser Ala Gln Arg Arg Thr Ala Ala
2405 2410 2415
Gly Ile Met Lys Asn Ala Val Val Asp Gly Ile Val Ala Thr Asp Val
2420 2425 2430
Pro Glu Leu Glu Arg Thr Thr Pro Ile Met Gln Lys Lys Val Gly Gln
2435 2440 2445
Ile Met Leu Ile Leu Val Ser Leu Ala Ala Val Val Val Asn Pro Ser
2450 2455 2460
Val Lys Thr Val Arg Glu Ala Gly Ile Leu Ile Thr Ala Ala Ala Val
2465 2470 2475 2480
Thr Leu Trp Glu Asn Gly Ala Ser Ser Val Trp Asn Ala Thr Thr Ala
2485 2490 2495
Ile Gly Leu Cys His Ile Met Arg Gly Gly Trp Leu Ser Cys Leu Ser
2500 2505 2510
Ile Thr Trp Thr Leu Ile Lys Asn Met Glu Lys Pro Gly Leu Lys Arg
2515 2520 2525
Gly Gly Ala Lys Gly Arg Thr Leu Gly Glu Val Trp Lys Glu Arg Leu
2530 2535 2540
Asn Gln Met Thr Lys Glu Glu Phe Thr Arg Tyr Arg Lys Glu Ala Ile
2545 2550 2555 2560
Ile Glu Val Asp Arg Ser Ala Ala Lys His Ala Arg Lys Glu Gly Asn
2565 2570 2575
Val Thr Gly Gly His Pro Val Ser Arg Gly Thr Ala Lys Leu Arg Trp
2580 2585 2590
Leu Val Glu Arg Arg Phe Leu Glu Pro Val Gly Lys Val Ile Asp Leu
2595 2600 2605
Gly Cys Gly Arg Gly Gly Trp Cys Tyr Tyr Met Ala Thr Gln Lys Arg
2610 2615 2620
Val Gln Glu Val Arg Gly Tyr Thr Lys Gly Gly Pro Gly His Glu Glu
2625 2630 2635 2640
Pro Gln Leu Val Gln Ser Tyr Gly Trp Asn Ile Val Thr Met Lys Ser
2645 2650 2655
Gly Val Asp Val Phe Tyr Arg Pro Ser Glu Cys Cys Asp Thr Leu Leu
2660 2665 2670
Cys Asp Ile Gly Glu Ser Ser Ser Ser Ala Glu Val Glu Glu His Arg
2675 2680 2685
Thr Ile Arg Val Leu Glu Met Val Glu Asp Trp Leu His Arg Gly Pro

2690	2695	2700
Arg Glu Phe Cys Val Lys Val Leu Cys Pro Tyr Met Pro Lys Val Ile		
2705	2710	2715 2720
Glu Lys Met Glu Leu Leu Gln Arg Arg Tyr Gly Gly Gly Leu Val Arg		
	2725	2730 2735
Asn Pro Leu Ser Arg Asn Ser Thr His Glu Met Tyr Trp Val Ser Arg		
	2740	2745 2750
Ala Ser Gly Asn Val Val His Ser Val Asn Met Thr Ser Gln Val Leu		
	2755	2760 2765
Leu Gly Arg Met Glu Lys Arg Thr Trp Lys Gly Pro Gln Tyr Glu Glu		
	2770	2775 2780
Asp Val Asn Leu Gly Ser Gly Thr Arg Ala Val Gly Lys Pro Leu Leu		
2785	2790	2795 2800
Asn Ser Asp Thr Ser Lys Ile Lys Asn Arg Ile Glu Arg Leu Arg Arg		
	2805	2810 2815
Glu Tyr Ser Ser Thr Trp His His Asp Glu Asn His Pro Tyr Arg Thr		
	2820	2825 2830
Trp Asn Tyr His Gly Ser Tyr Asp Val Lys Pro Thr Gly Ser Ala Ser		
	2835	2840 2845
Ser Leu Val Asn Gly Val Val Arg Leu Leu Ser Lys Pro Trp Asp Thr		
	2850	2855 2860
Ile Thr Asn Val Thr Thr Met Ala Met Thr Asp Thr Thr Pro Phe Gly		
2865	2870	2875 2880
Gln Gln Arg Val Phe Lys Glu Lys Val Asp Thr Lys Ala Pro Glu Pro		
	2885	2890 2895
Pro Glu Gly Val Lys Tyr Val Leu Asn Glu Thr Thr Asn Trp Leu Trp		
	2900	2905 2910
Ala Phe Leu Ala Arg Glu Lys Arg Pro Arg Met Cys Ser Arg Glu Glu		
	2915	2920 2925
Phe Ile Arg Lys Val Asn Ser Asn Ala Ala Leu Gly Ala Met Phe Glu		
	2930	2935 2940
Glu Gln Asn Gln Trp Arg Ser Ala Arg Glu Ala Val Glu Asp Pro Lys		
2945	2950	2955 2960
Phe Trp Glu Met Val Asp Glu Glu Arg Glu Ala His Leu Arg Gly Glu		
	2965	2970 2975
Cys His Thr Cys Ile Tyr Asn Met Met Gly Lys Arg Glu Lys Lys Pro		
	2980	2985 2990
Gly Glu Phe Gly Lys Ala Lys Gly Ser Arg Ala Ile Trp Phe Met Trp		
	2995	3000 3005
Leu Gly Ala Arg Phe Leu Glu Phe Glu Ala Leu Gly Phe Leu Asn Glu		
	3010	3015 3020
Asp His Trp Leu Gly Arg Lys Asn Ser Gly Gly Gly Val Glu Gly Leu		
3025	3030	3035 3040
Gly Leu Gln Lys Leu Gly Tyr Ile Leu Arg Glu Val Gly Thr Arg Pro		
	3045	3050 3055
Gly Gly Lys Ile Tyr Ala Asp Asp Thr Ala Gly Trp Asp Thr Arg Ile		
	3060	3065 3070
Thr Arg Ala Asp Leu Glu Asn Glu Ala Lys Val Leu Glu Leu Leu Asp		
	3075	3080 3085
Gly Glu His Arg Arg Leu Ala Arg Ala Ile Ile Glu Leu Thr Tyr Arg		
	3090	3095 3100
His Lys Val Val Lys Val Met Arg Pro Ala Ala Asp Gly Arg Thr Val		
3105	3110	3115 3120
Met Asp Val Ile Ser Arg Glu Asp Gln Arg Gly Ser Gly Gln Val Val		
	3125	3130 3135
Thr Tyr Ala Leu Asn Thr Phe Thr Asn Leu Ala Val Gln Leu Val Arg		
	3140	3145 3150

Met Met Glu Gly Glu Gly Val Ile Gly Pro Asp Asp Val Glu Lys Leu
 3155 3160 3165
 Thr Lys Gly Lys Gly Pro Lys Val Arg Thr Trp Leu Phe Glu Asn Gly
 3170 3175 3180
 Glu Glu Arg Leu Ser Arg Met Ala Val Ser Gly Asp Asp Cys Val Val
 3185 3190 3195 3200
 Lys Pro Leu Asp Asp Arg Phe Ala Thr Ser Leu His Phe Leu Asn Ala
 3205 3210 3215
 Met Ser Lys Val Arg Lys Asp Ile Gln Glu Trp Lys Pro Ser Thr Gly
 3220 3225 3230
 Trp Tyr Asp Trp Gln Gln Val Pro Phe Cys Ser Asn His Phe Thr Glu
 3235 3240 3245
 Leu Ile Met Lys Asp Gly Arg Thr Leu Val Val Pro Cys Arg Gly Gln
 3250 3255 3260
 Asp Glu Leu Val Gly Arg Ala Arg Ile Ser Pro Gly Ala Gly Trp Asn
 3265 3270 3275 3280
 Val Arg Asp Thr Ala Cys Leu Ala Lys Ser Tyr Ala Gln Met Trp Leu
 3285 3290 3295
 Leu Leu Tyr Phe His Arg Arg Asp Leu Arg Leu Met Ala Asn Ala Ile
 3300 3305 3310
 Cys Ser Ala Val Pro Val Asn Trp Val Pro Thr Gly Arg Thr Thr Trp
 3315 3320 3325
 Ser Ile His Ala Gly Gly Glu Trp Met Thr Thr Glu Asp Met Leu Glu
 3330 3335 3340
 Val Trp Asn Arg Val Trp Ile Glu Glu Asn Glu Trp Met Glu Asp Lys
 3345 3350 3355 3360
 Thr Pro Val Glu Lys Trp Ser Asp Val Pro Tyr Ser Gly Lys Arg Glu
 3365 3370 3375
 Asp Ile Trp Cys Gly Ser Leu Ile Gly Thr Arg Ala Arg Ala Thr Trp
 3380 3385 3390
 Ala Glu Asn Ile Gln Val Ala Ile Asn Gln Val Arg Ala Ile Ile Gly
 3395 3400 3405
 Asp Glu Lys Tyr Val Asp Tyr Met Ser Ser Leu Lys Arg Tyr Glu Asp
 3410 3415 3420
 Thr Thr Leu Val Glu Asp Thr Val Leu
 3425 3430